

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/12 C12N15/37 C12N15/81 C07K14/025

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, MEDLINE, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TOBERY T W ET AL: "Effect of vaccine delivery system on the induction of HPV16L1-specific humoral and cell-mediated immune responses in immunized rhesus macaques" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 21, no. 13-14, 28 March 2003 (2003-03-28), pages 1539-1547, XP004412501 ISSN: 0264-410X page 1540 - page 1546	1-25
A	WO 01/14416 A (CHEN LING ; MERCK & CO INC (US); SCHULTZ LOREN D (US); WANG XIN MIN (U) 1 March 2001 (2001-03-01) the whole document ----- -/--	1-25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

03/01/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZHOU JIAN ET AL: "Papillomavirus capsid protein expression level depends on the match between codon usage and tRNA availability" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 73, no. 6, June 1999 (1999-06), pages 4972-4982, XP002164427 ISSN: 0022-538X page 4972 - page 4981; table 1	1-25
A	WO 01/41799 A (CELIS ESTEBAN ; GREY HOWARD M (US); SIDNEY JOHN (US); CHESNUT ROBERT ()) 14 June 2001 (2001-06-14) page 26, line 10 - line 19	1-3
A	DATABASE EMBL GENBANK; L1 protein acc. no. Q9Y4Y5 1 November 1999 (1999-11-01), FAVRE, M. G.: "HPV45 L1" XP002310641 abstract	1-3
A	LIU W J ET AL: "Polynucleotide viral vaccines: codon optimisation and ubiquitin conjugation enhances prophylactic and therapeutic efficacy" VACCINE, BUTTERWORTH SCIENTIFIC. GUILDFORD, GB, vol. 20, no. 5-6, 12 December 2001 (2001-12-12), pages 862-869, XP004312531 ISSN: 0264-410X the whole document	1-25
A	COOK JAMES C ET AL: "Purification of virus-like particles of recombinant human papillomavirus type 11 major capsid protein L1 from Saccharomyces cerevisiae" PROTEIN EXPRESSION AND PURIFICATION, vol. 17, no. 3, December 1999 (1999-12), pages 477-484, XP000441598 ISSN: 1046-5928 page 480 - page 484	1-25

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NEEPER M P ET AL: "Expression of the major capsid protein of human papillomavirus type 11 in Saccharomyces cerevisiae" GENE: AN INTERNATIONAL JOURNAL ON GENES AND GENOMES, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, vol. 180, no. 1-2, 21 November 1996 (1996-11-21), pages 1-6, XP004071889 ISSN: 0378-1119 the whole document	1-25
A	WO 96/15247 A (HOFMANN KATHRYN J ; GEORGE HUGH A (US); JOYCE JOSEPH G (US); LEHMAN ER) 23 May 1996 (1996-05-23) page 2 - page 9; examples 1-38	1-25

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